

spring-like ligaments, or ligamenta spiralia as I will call them, are stretched in the expansion of the wings, and upon the relaxation or cessation of the action of the muscles, the physical properties alone of the ligamenta spiralia, in resuming their unstretched state, close the wings. These ligamenta spiralia are numerous, and exist in all the species of *Locusta* possessing perfect alæ which I have examined. —*Proceedings of the Philadelphia Academy of Natural Sciences.*

ON THE GENUS CALOPTYLUM.

A mistake occurred in the notice which appeared in our last Number on this subject, the 'Annals' being referred to as the work in which Mr. Thompson's paper was published, whereas it should have been Charlesworth's 'Magazine of Nat. Hist.' vol. iv. p. 184. —ED.

METEOROLOGICAL OBSERVATIONS FOR JAN. 1847.

Chiswick.—January 1. Frosty: overcast. 2. Hazy and cold. 3. Dry haze: snow at night. 4. Cloudy. 5. Hazy. 6, 7. Foggy. 8. Hazy. 9. Cold: hazy. 10. Sharp frost at night. 11. Frosty: fine: sharp frost. 12, 13. Foggy. 14. Sharp frost: foggy: frosty. 15, 16. Dense fog: frosty at nights. 17. Dry haze: foggy. 18. Cloudy and cold. 19. Overcast: hazy. 20. Slight haze: snow at night. 21. Snowing. 22. Dense fog throughout. 23. Slight fog: cloudy: rain. 24. Densely clouded: rain: clear. 25. Fine: slight showers in the evening. 26. Partially overcast: fine: boisterous at night. 27. Clear: rain at night. 28. Boisterous: clear and frosty. 29. Fine, with sun: clear and frosty. 30. Clear and frosty: fine: densely overcast. 31. Light haze: cloudy: fine.

Mean temperature of the month	34°·26
Mean temperature of Jan. 1846	43·54
Mean temperature of Jan. for the last twenty years ...	36·81
Average amount of rain in Jan.	1·60 inch.

Boston.—Jan. 1. Foggy: snow on the ground. 2, 3. Cloudy. 4. Cloudy: snow early A.M. 5. Cloudy: rain early A.M. 6. Cloudy. 7. Rain. 8—11. Cloudy. 12. Cloudy: rain P.M. 13. Cloudy. 14—16. Fine. 17—20. Cloudy. 21. Cloudy: snow P.M. 22. Cloudy: snow on the ground. 23. Cloudy. 24. Cloudy: snow nearly all melted. 25. Fine: rain midday. 26. Fine. 27. Windy. 28. Rain. 29—31. Fine.—This January has been the coldest since January 1842, and the driest since 1833.

Sandwick Manse, Orkney.—Jan. 1. Fog. 2. Cloudy. 3. Damp: showers. 4. Showers. 5. Showers: rain. 6, 7. Damp. 8. Cloudy. 9. Bright: clear. 10—12. Bright: frost: clear. 13. Bright: clear. 14. Bright: frost: clear. 15. Bright: clear. 16. Drops: cloudy. 17—19. Cloudy: clear: aurora. 20. Fine: frost: clear: frost: aurora. 21. Sleet-showers. 22. Bright: clear. 23, 24. Cloudy: rain. 25—27. Bright: clear. 28. Clear: frost: cloudy. 29. Bright: clear. 30. Bright: snow-showers: aurora. 31. Hail-showers: snow-showers: aurora.

Applegarth Manse, Dumfries-shire.—Jan. 1. Clear, but moist. 2. Dull and raw: slight snow. 3. Slight frost: very chilly. 4. Dull: slight frost: rain P.M. 5. Dull: rain. 6. Fine and fair. 7, 8. Fair, but cloudy. 9, 10. Frost: clear. 11—13. Frost, hard. 14. Frost, hard, but cloudy. 15. Thaw. 16. Thaw: drizzle. 17—21. Frost again. 22. Frost: snow: thaw. 23. Thaw: sleet. 24. Heavy rain. 25. Slight frost A.M.: rain. 26. Heavy rain. 27. Rain: cleared P.M. 28. Fair, but dull. 29. Slight frost A.M. 30. Slight frost A.M.: cloudy. 31. Hard frost: snow P.M.

Mean temperature of the month	35°·97
Mean temperature of Jan. 1846	43·0
Mean temperature of Jan. for 25 years	34·9
Mean rain in Jan. for 20 years	2·60 inches.